



## **REPORT**

**REPORT TO:** Chair and Members of the Planning, Public Works, and Transportation Committee

**REPORT FROM:** Matt Roj, Traffic Coordinator

**DATE:** January 15, 2020

**REPORT NO.:** TPW-2020-0004

**RE:** 2019 Traffic Engineering Work Plan – Achievements

### **RECOMMENDATION:**

THAT Report No. TPW-2020-0004 dated January 15, 2020 regarding the 2019 Traffic Engineering Work Plan – Achievements, be received.

### **BACKGROUND:**

The 2019 Traffic Engineering Work Plan (Plan) presented in Report No. TPW-2019-0002 identified the Traffic Engineering Section's core operating and capital programs that included maintenance, operation, and implementation of traffic control devices. The Plan also included in-year service requests, derived from the public requests that were identified by Council.

To provide an interim update on the Plan, staff presented Report No. TPW-2019-0035, which focused on the operational safety reviews and speed limit assessments.

### **COMMENTS:**

The purpose of this report is to build on the interim report, identify the projects that were completed in 2019, and identify the work that will be carried over as part of the development of the 2020 Traffic Engineering Work Plan.

The 2019 Traffic Engineering Work Plan was funded through the approved Capital and Operating Budgets.

The following work was completed in 2019:

### **Traffic Signs**

- Preventative Traffic Signs maintenance and replacement of deficient traffic signs.
- New “No Parking” zone and yellow centre line on Mill Street West between Victoria Avenue and Cobblehill Road.
- 15 new Municipal Boundary Signs.
- Rural area sign improvements on 27 Side Road, Tenth Line, Clayhill Road, Fallbrook Trail, Ninth Line, and Eighth Line.
- New Pedestrian Crossover signs at three (3) Danby Road roundabouts.

### **Traffic Control Signals**

- Preventive traffic control signals maintenance of each signalized intersection, Intersection Pedestrian Signal (IPS), Pedestrian Crossover, Vehicle Activated Traffic Calming Signs and flashers.
- Eighth Line/Miller Drive advance solar yellow flashers.
- Traffic signal LED upgrades at Mountainview Road North and River Drive and Mountainview Road South/Argyll Road.
- Accessible traffic signals at the Mountainview Road North/River Drive, Mountainview Road South/Argyll Road and Maple Avenue/Main Street intersections.
- Opticom Replacement Program in collaboration with the Fire Department.
- New traffic controllers at the Guelph Street (Hwy 7)/Brucewood Road, Guelph Street (Hwy 7)/Delrex Boulevard and Main Street North (Hwy 7)/Ewing Street intersections.
- Pedestrian Crossovers on Delrex Boulevard in front of Centennial Middle School and at the intersection of Armstrong Avenue/Sinclair Avenue.
- Main Street North (Hwy 7) and School Lane traffic signal design was completed. Staff sent the required information to the Ministry of Transportation of Ontario (MTO) for their approval in November. The installation of the traffic control signal will commence once we receive the necessary approval from MTO. Due to the Connecting Link designation of Main Street North, MTO has the jurisdiction over new traffic control signal installations.

### **Pavement Markings Program**

- The pavement markings retrace program was completed. It included retracing of the existing pavement markings and new durable applications of ladder crosswalks, stop bars, and “Slow” symbols.
- Accessible parking symbols were completed in a temporary water-based paint. Durable paint applications with a blue background will be completed in spring 2020.

## **Streetlighting**

Preventive maintenance of street lights was undertaken as required. Other streetlight projects included the following locations:

- Longfield Subdivision Phase 2.
- Streetlight Pole and Transformer Replacement on Acton Boulevard is ongoing. Halton Hills Hydro is leading this project.
- Installation of two decorative street light poles on Bishop Court.
- Rural Intersections Streetlighting included 15 Side Road/Third Line, 10 Side Road/Hume Court/Third Line (East) and 10 Side Road/Third Line (West) intersections.
- Installation of street light poles on Maria Street between Church Street and the bridge.

## **School Crossing Guards**

School Crossing Guard Program consisted of 30 locations, serviced by 39 school crossing guards. In 2019, two (2) new school crossing guard locations were added to the program; Danby Road/Barber Drive (east) roundabout and Danby Road/Silver Pond Drive intersection.

## **Traffic Count Program**

In 2019, staff undertook 103 automatic traffic counts and 20 turning movement counts (TMCs). Also, the Town retained a contractor to undertake an additional 21 TMCs at major intersections.

## **Road Public Events**

Twenty road public events were undertaken in 2019 that required road closures.

## **Motor Vehicle Collisions**

Staff implemented a new Traffic Engineering Software to manage motor vehicle collisions.

## **Heavy Trucks**

The Truck Strategy Study was completed. Staff also worked with Halton Regional Police Service (HRPS) to undertake four (4) truck safety blitzes within the community. In addition, HRPS conducted a truck safety blitz at Dufferin's Acton Quarry and training of Police Officers at the new Steeles Avenue truck inspection station.

## **Railway Safety**

- Metrolinx's Third Line railway crossing was rehabilitated through asphalt repaving. Public Works staff repaired a drainage issue affecting the railway crossing.
- Metrolinx's Mill Street East (Hwy 7) railway crossing was rehabilitated through the removal of a spur line, asphalt repaving, and the installation of new pavement markings.
- Railway Safety Reviews project at two (2) CN and seven (7) Metrolinx railway crossings have been initiated. The project will identify the required improvements to conform to the Transport Canada's standards for at-grade crossings.

## **Active Transportation**

- Acton and Georgetown Greenbelt connector routes were implemented.
- Joseph Gibbons Public School's sidewalk improvements were completed.

## **Operational Review**

The intersection of Mountainview Road South/Barber Drive was reviewed to determine the need for advance left turn phases in both northbound and southbound directions. It was confirmed that the intersection did not warrant the advance left turn phases, as all the vehicles queued in the left-turn lanes cleared the intersection within one cycle length.

## **Unscheduled Projects**

- Town Wide Parking Study was commenced in October, 2019.

## **Carryover Projects**

Identified below are the Capital projects which will continue in 2020:

- Interconnect Mountainview Road Traffic Signals – Seven (7) traffic signals and implementation of Centrac's Advance Traffic Signal Management System;
- Main Street North (Hwy 7) and School Lane – Traffic Signal Installation;
- Railway Safety Reviews – CN (two at-grade crossings) and Metrolinx (seven at-grade crossings);
- Signal Drawings, Guelph Street/Brucewood Road – Legal update;
- Accessible Parking Symbols in durable paint – on-street parking spaces;
- Streetlight Pole and Transformer Replacement – Acton Boulevard;
- Uniform Traffic Control By-law 84-1 Update project; and
- John Street Traffic Calming implementation.

**RELATIONSHIP TO STRATEGIC PLAN:**

There is no relationship to the strategic plan.

**FINANCIAL IMPACT:**

The 2019 Traffic Engineering Work Plan is included within the approved budget.

**CONSULTATION:**

The report was discussed internally within the department.

**PUBLIC ENGAGEMENT:**

Public engagement was undertaken for individual projects and included neighbourhood meetings where appropriate.

**SUSTAINABILITY IMPLICATIONS:**

The Town is committed to implementing our Community Sustainability Strategy, Imagine Halton Hills. Doing so will lead to a higher quality of life.

The recommendation outlined in this report advances the Strategy's implementation.

This report supports the Social Well-being pillar of Sustainability and in summary the alignment of this report within the Community Sustainability Strategy is good.

**COMMUNICATIONS:**

Staff will discuss the projects with staff and contractors, as required. Notification to the community will be undertaken via Council agenda, Town's website and social networks, as applicable.

**CONCLUSION:**

The majority of the 2019 Traffic Engineering Work Plan was completed. Some projects will carry over to 2020 based on the length of the projects and availability of staff resources. These projects will be added to the 2020 Traffic Engineering Work Plan, which will be presented to the Committee in February 2020.

Reviewed and Approved by,

A handwritten signature in cursive script, appearing to read "Maureen Van Ravens".

**Maureen Van Ravens, Director of Transportation**

A handwritten signature in cursive script, appearing to read "C. Mills".

**Chris Mills, Commissioner of Transportation and Public Works**

A handwritten signature in cursive script, appearing to read "Brent Marshall".

**Brent Marshall, Chief Administrative Officer**